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FILE 'USPAT' ENTERED AT 17:00:26 ON 29 OCT 1998 *****

* W E L C O M E T O T H E *
* U . S . P A T E N T T E X T F I L E *

=> s 424/59/ccls

L1 1339 424/59/CCLS

=> s l1 and (polyglyceryl or monoglyceryl or triglyceryl or tetraglyceryl or diglyceryl)

308 POLYGLYCERYL
151 MONOGLYCERYL
124 TRIGLYCERYL
34 TETRAGLYCERYL
149 DIGLYCERYL
L2 79 L1 AND (POLYGLYCERYL OR MONOGLYCERYL OR TRIGLYCERYL OR TETR
AGL YCERYL OR DIGLYCERYL)

=> s l2 and sulphonic acid

13966 SULPHONIC
441509 ACID
11043 SULPHONIC ACID
(SULPHONIC(W)ACID)
L3 17 L2 AND SULPHONIC ACID

=> s l3 and pigment?

95069 PIGMENT?
L4 11 L3 AND PIGMENT?

=> d l4 cit ab 1

1. 5,753,210, May 19, 1998, Lotion which is temporarily colored upon application; John McEleney, et al., 424/59, 60, 78.02, 78.03, 400, 401; 514/844, 846, 847, 937, 938, 939, 946, 947 [IMAGE AVAILABLE]

US PAT NO: 5,753,210 [IMAGE AVAILABLE]

L4: 1 of 11

ABSTRACT:

A lotion such as a sunscreen includes a pH indicator which colorizes the lotion until the lotion is applied to the human skin, whereinafter the colored lotion turns clear. A physiologically compatible pH indicator such as phenolphthalein is used which has a red appearance from pH 7.5+ and which has a clear appearance from about pH 7.0 to 7.5, the general pH range of the skin. The invention is suitable for use in any lotion, gel, mousse or medication that is best applied in an even and uniform manner to the skin. Accordingly, one preferred use of the invention is in UV-protecting sunscreens so that a user can ensure even distribution of the sunscreen on the body. In certain aspects of the invention, a cap houses the pH indicator and attaches to a container of the lotion, e.g., a sunscreen. The pH indicator mixes with the lotion as it is applied to the skin. The invention further provides methods of manufacturing sunscreens and the like with a pH indicator that turns substantially colorless upon prolonged contact with the skin.

=> d l4 cit ab 2

2. 5,725,882, Mar. 10, 1998, Vinyl-silicone copolymers in cosmetics and personal care products; Kanta Kumar, et al., 424/486, 59, 63, 69, 403; 514/772.3, 844 [IMAGE AVAILABLE]

US PAT NO: 5,725,882 [IMAGE AVAILABLE]

L4: 2 of 11

ABSTRACT:

Cosmetic compositions are provided containing vinyl-silicone graft or block copolymers of the formula ##STR1##

=> d 14 cit ab 3

3. 5,705,144, Jan. 6, 1998, Cosmetic composition containing retinol and dioic acid; Clive Roderick Harding, et al., 424/59; 514/557, 560, 574, 725, 887 [IMAGE AVAILABLE]

US PAT NO: 5,705,144 [IMAGE AVAILABLE]

L4: 3 of 11

ABSTRACT:

A composition for topical application to human skin in order to promote the repair of photo-damaged skin and/or to reduce or prevent the damaging effects of ultra-violet light on skin and/or to lighten the skin comprising retinol or a derivative thereof and a dioic acid.

=> d 14 cit ab 4

4. 5,680,962, Oct. 28, 1997, Lotion which is temporarily colored upon application; John McEleney, et al., 222/144.5, 94, 129; 424/59 [IMAGE AVAILABLE]

US PAT NO: 5,680,962 [IMAGE AVAILABLE]

L4: 4 of 11

ABSTRACT:

A lotion such as a sunscreen includes a pH indicator which colorizes the lotion until the lotion is applied to the human skin, whereinafter the colored lotion turns clear. A physiologically compatible pH indicator such as phenolphthalein is used which has a red appearance from pH 7.5+ and which has a clear appearance from about pH 7.0 to 7.5; the general pH range of the skin. The invention is suitable for use in any lotion, gel, mousse or medication that is best applied in an even and uniform manner to the skin. Accordingly, one preferred use of the invention is in UV-protecting sunscreens so that a user can ensure even distribution of the sunscreen on the body. In certain aspects of the invention, a cap houses the pH indicator and attaches to a container of the lotion, e.g.; a sunscreen. The pH indicator mixes with the lotion as it is applied to the skin. The invention further provides methods of manufacturing sunscreens and the like with a pH indicator that turns substantially colorless upon prolonged contact with the skin.

=> d 14 cit ab 5

5. 5,679,328, Oct. 21, 1997, Thickening combination based on guar gum or on nonionic cellulose gum and on a crosslinked polymer and cosmetic or dermatological hair or skin treatment composition containing such a combination; Christine Dupuis, 424/70.13, 59, 70.17, DIG.2; 514/880, 881 [IMAGE AVAILABLE]

US PAT NO: 5,679,328 [IMAGE AVAILABLE]

L4: 5 of 11

ABSTRACT:

A thickening mixture containing, in an aqueous medium, (a) a component (A) consisting of at least one guar gum or non-ionic cellulose having no hydrophobic group, with a viscosity in solution of over 15 cps at 15 wt % in water, as measured by DRAGE module 2 at 25.degree. C.; (b) a component (B) consisting of at least one cross-linked polymer selected from (i) acrylamide and ammonium acrylate copolymers; (ii) acrylamide and partially or totally neutralized 2-acrylamido 2-methylpropane **sulphonic acid** copolymers; (iii) acrylamide and methacryloyl oxyethyl trimethylammonium chloride copolymers; and (iv) methacryloyl oxyethyl trimethylammonium chloride homopolymers; wherein the weight ratio of crosslinked polymer active material to guar gum or cellulose is 0.2-10. A cosmetic or dermatological hair- or skin-care composition containing said mixture is also provided.

=> d 14 cit ab 6

6. 5,567,420, Oct. 22, 1996, Lotion which is temporarily colored upon application; John McEleney, et al., 424/60, 59, 78.02, 78.03, 401; 514/844, 846, 847 [IMAGE AVAILABLE]

US PAT NO: 5,567,420 [IMAGE AVAILABLE]

L4: 6 of 11

ABSTRACT:

A lotion such as a sunscreen includes a pH indicator which colorizes the lotion until the lotion is applied to the human skin, whereinafter the colored lotion turns clear. A physiologically compatible pH indicator such as phenolphthalein is used which has a red appearance from pH 7.5+ and which has a clear appearance from about pH 7.0 to 7.5, the general pH range of the skin. The invention is suitable for use in any lotion, gel, mousse or medication that is best applied in an even and uniform manner to the skin. Accordingly, one preferred use of the invention is in UV-protecting sunscreens so that a user can ensure even distribution of the sunscreen on the body. In certain aspects of the invention, a cap houses the pH indicator and attaches to a container of the lotion, e.g a sunscreen. The pH indicator mixes with the lotion as it is applied to the skin. The invention further provides methods of manufacturing sunscreens and the like with a pH indicator that turns substantially colorless upon prolonged contact with the skin.

=> d 14 cit ab 7

7. 5,545,399, Aug. 13, 1996, Cosmetic composition; Caroline M. Lee, et al., 424/59; 514/529, 549, 552, 679, 685, 721, 734; 560/220, 259; 568/325, 331, 638, 660, 729 [IMAGE AVAILABLE]

US PAT NO: 5,545,399 [IMAGE AVAILABLE]

L4: 7 of 11

ABSTRACT:

A composition for topical application to the skin in order to promote the repair of photo-damaged or aged skin and/or to reduce or prevent damaging effects of ultra-violet light on skin and/or to lighten the skin comprising a hydrocalchone of general structure: ##STR1## wherein R.sub.1, R.sub.2 and R.sub.3, which may be the same or different, represent H, --OH, --OR or --COR (where R is a C.sub.1-20 alkyl group); R.sub.4, R.sub.5, R.sub.6 and R.sub.7, which may be the same or different, represent H or --COR (where R is as herein before defined). Optional additional ingredients include sunscreens and other skin lightening skin lightening agents, particularly retinol or derivatives thereof.

=> d 14 cit ab 8

8. 5,486,353, Jan. 23, 1996, Antisun product; Mari Billia, et al.,
424/59, 60, 62; 514/947, 949 [IMAGE AVAILABLE]

US PAT NO: 5,486,353 [IMAGE AVAILABLE]

L4: 8 of 11

ABSTRACT:

An antisun product which contains, besides cosmetic auxiliaries and sunscreen agents and/or sun blocks, an effective amount of deproteinated haemodialysate of mammalian blood or an active fraction thereof results in improving the condition of the skin and in reducing or avoiding the adverse effects of exposure to the sun. The composition is suitable for both prophylaxis and aftercare.

=> d 14 cit ab 9

9. 5,427,771, Jun. 27, 1995, Transparent cosmetic composition that reflects infrared radiation based on titanium dioxide flakes and its use for protecting the human epidermis against infrared radiation; Jean F. Grollier, et al., 424/59, 60; 514/947, 949 [IMAGE AVAILABLE]

US PAT NO: 5,427,771 [IMAGE AVAILABLE]

L4: 9 of 11

ABSTRACT:

The invention relates to a transparent cosmetic composition that protects the human epidermis, containing, in a cosmetically acceptable vehicle, by way of an agent that reflects infrared radiation, 0.5 to 10% by weight of titanium dioxide flakes of dimensions between 1.5 and 25 microns, dispersible in the cosmetic medium used, possessing a reflectance (R) of infrared radiation equal to at least 45%, and of which a 2% strength dispersion in vaseline possesses an optical transmission in the visible of at least 85%.

This cosmetic composition can also contain 0.5 to 20% by weight of UV-A, UV-B or broad-band screening agents.

=> d 14 kwic 9

US PAT NO: 5,427,771 [IMAGE AVAILABLE]
US-CL-CURRENT: 424/59, 60; 514/947, 949

L4: 9 of 11

SUMMARY:

BSUM(8)

The property of reflecting natural radiation, possessed by certain opaque **pigments**, is known. Among these **pigments**, metal salt and oxide powders, such as titanium dioxide and zinc oxide powders, may be mentioned by way of example.

SUMMARY:

BSUM(62)

2,2'-Dihydroxy-4,4'-dimethoxybenzophenone-5-**sulphonic acid** and its salts

SUMMARY:

BSUM(66)

2-Hydroxy-4-methoxybenzophenone-5-**sulphonic acid** and its salts

SUMMARY:

BSUM(71)

2-Phenylbenzimidazole-5-**sulphonic acid** and its salts

DETDESC:

DETD (14)

Liquid paraffin	5	g
White vaseline	21	g
Sunflower oil	4	g
Shea butter	1.5	g
Ester of hydroxyoctacosanyl alcohol and	7	g
hydroxystearic acid, sold by the company		
AKZO CHEMIE under the name "ELFACOS C		
26"		
Triglyceryl diisostearate sold by the company	5.5	g
HENKEL under the name "LAMEFORM TG1"		
Isostearic acid diethanolamide sold by the.		

=> d 14 cit ab 10

10. 5,244,665, Sep. 14, 1993, Cosmetic composition; Collur V. Natraj, et al., 424/401, 59; 514/785 [IMAGE AVAILABLE]

US PAT NO: 5,244,665 [IMAGE AVAILABLE]

L4: 10 of 11

ABSTRACT:

A composition suitable for topical application to human skin for reducing the damaging effects of ultra-violet light on skin comprises:

- (a) an effective amount of a triester of citric acid having the structure (1): ##STR1## where R.sup.1, R.sup.2, and R.sup.3 each independently represent a branched or unbranched alkyl, alkenyl, aryl, alkylaryl or arylalkyl group, each said group being optionally substituted and having from 1 to 18 carbon atoms, R.sup.4 represents --H, or a branched or unbranched saturated or unsaturated acyl, alkyl, aryl, alkylaryl or arylalkyl group, each said group being optionally substituted and having from 1 to 18 carbon atoms; and
- (b) a cosmetically acceptable vehicle for the citric acid ester; and
- (c) an effective amount of a sunscreen agent, with the proviso that in the case where the sunscreen agent is an inorganic sunscreen, it has an average particle size of less than 100 .mu.m.

=> d 14 cit ab 11

11. 5,188,831, Feb. 23, 1993, Sunscreens containing both water and oil dispersible titanium dioxide particles; Gregg A. Nicoll, et al., 424/401, 59, 63, 69 [IMAGE AVAILABLE]

US PAT NO: 5,188,831 [IMAGE AVAILABLE]

L4: 11 of 11

ABSTRACT:

A composition for topical application to human skin to provide protection from excessive exposure to ultra-violet rays, comprises an effective amount of a sunscreen comprising water-dispersible ultrafine titanium dioxide and oil-dispersible ultrafine titanium dioxide, together with a cosmetically acceptable vehicle for the sunscreen.

=> d 14 kwic 11

US PAT NO: 5,188,831 [IMAGE AVAILABLE]

L4: 11 of 11

SUMMARY:

BSUM(6)

i. . . . physiopathological activity on the skin; these are absorbed just above the dermis and they are responsible for erythema and skin **pigmentation**, and

SUMMARY:

BSUM(11)

Certain . . . designated ultrafine TiO.sub.2, affords a good degree of sun blocking potential without the unacceptable skin whitening experienced with the normal **pigmentary** grade (particle size >300 nm). For example, in DE-A-3824999 (The Boots Company PLC), it is proposed to use titanium dioxide. . . .

SUMMARY:

BSUM(76)

Amerchol Corp.

Octyl methoxycinnamate

PARSOL MCX Bernel Chemical

Octyl salicylate SUNAROME WMO

Felton Worldwide

PABA

PABA

National Starch

2-Phenylbenzimidazole-5-sulphonic acid

EUSOLEX 232 EM Industries

TEA salicylate

SUNAROME W Felton Worldwide

3-(4-methylbenzylidene)-camphor

EUSOLEX 6300

EM Industries

Benzophenone-1

UVINUL. . .

DETDESC:

DETD(20)

Ingredients	% w/w
cetyl dimethicone copolyol	
cetyl dimethicone	
polyglyceryl-3-oleate *	5
hexyl laurate	
isopropyl myristate	13.5
beeswax	3
silicone fluid 200	5
preservatives	0.5
titanium dioxide (water-dispersible)	2.5. . .

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Term	Documents
(((UV and filter) or sunscreen or sunblock) and (polyglyceryl or monoglyceryl or diglyceryl or triglyceryl or tetraglyceryl))	10

Database: [Database](#)[Refine Search:](#)

11 and (polyglyceryl or monoglyceryl or diglyceryl or triglyc

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DWPI	(UV and filter) or sunscreen or sunblock	3620	L1
DWPI	11 and (polyglyceryl or monoglyceryl or diglyceryl or triglyceryl or tetraglyceryl)	10	L2